

FIG. 1

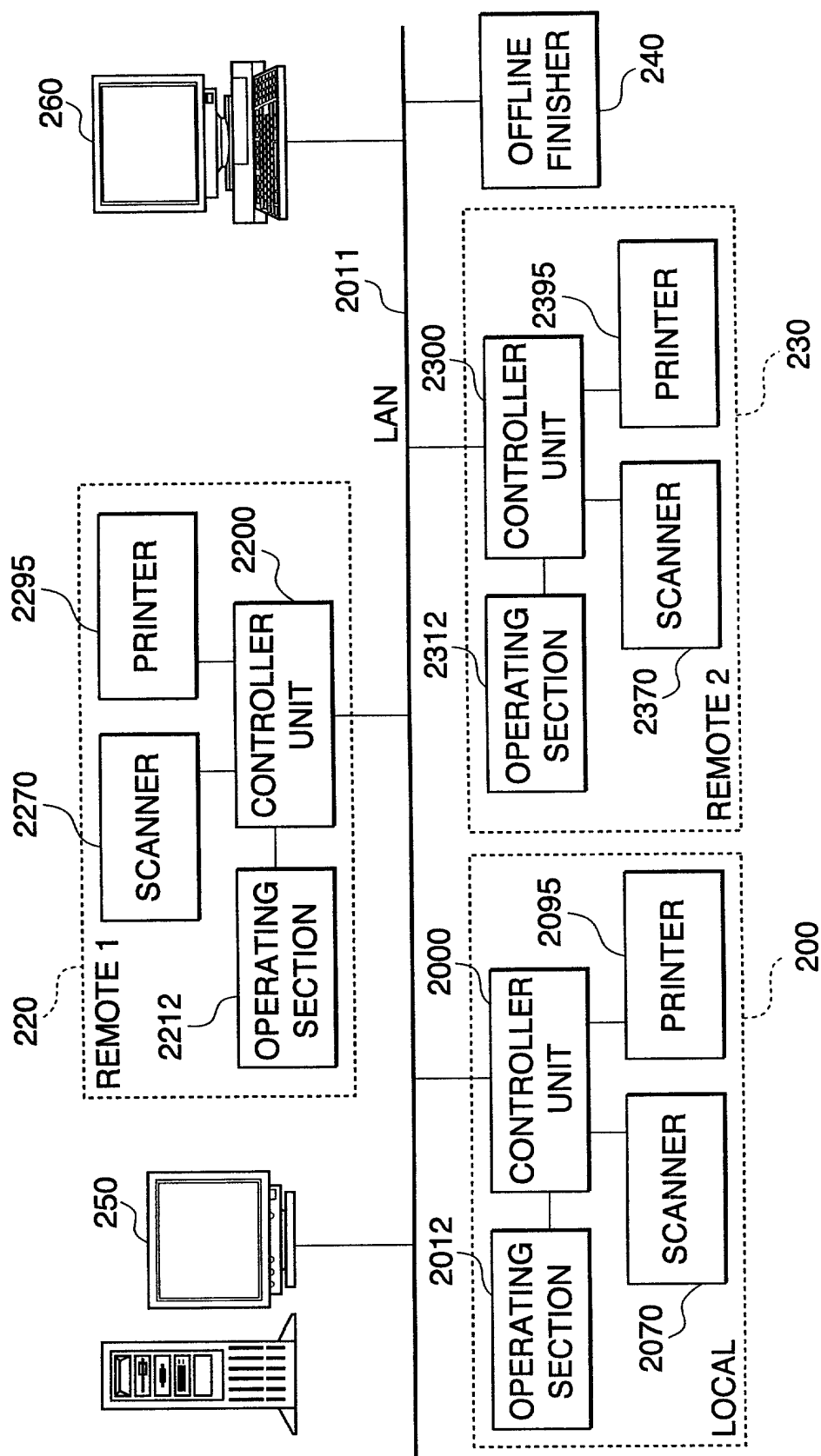


FIG. 2 is a block diagram of a computer system 2000 according to one embodiment of the present invention.

FIG. 2

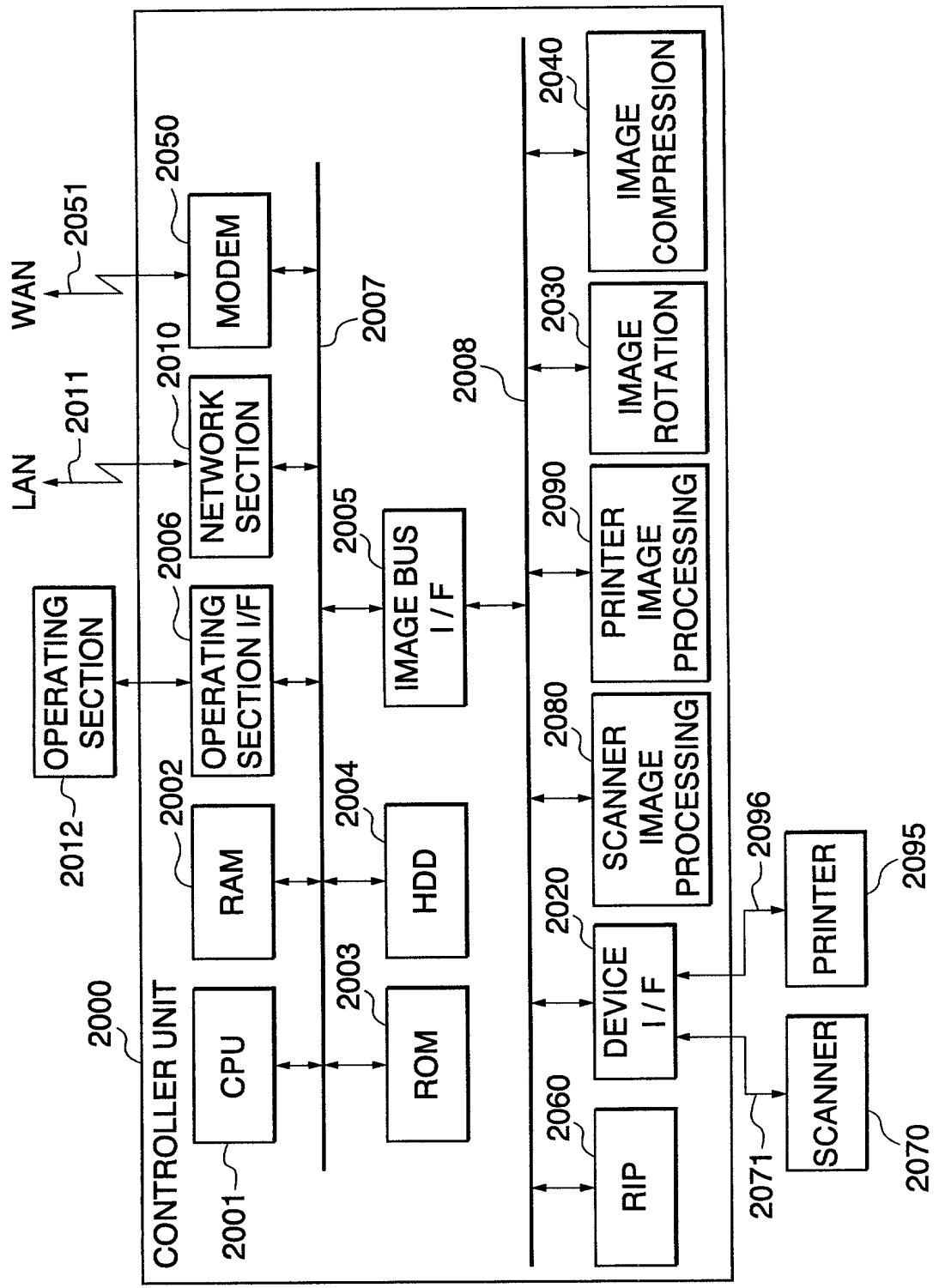


FIG. 3

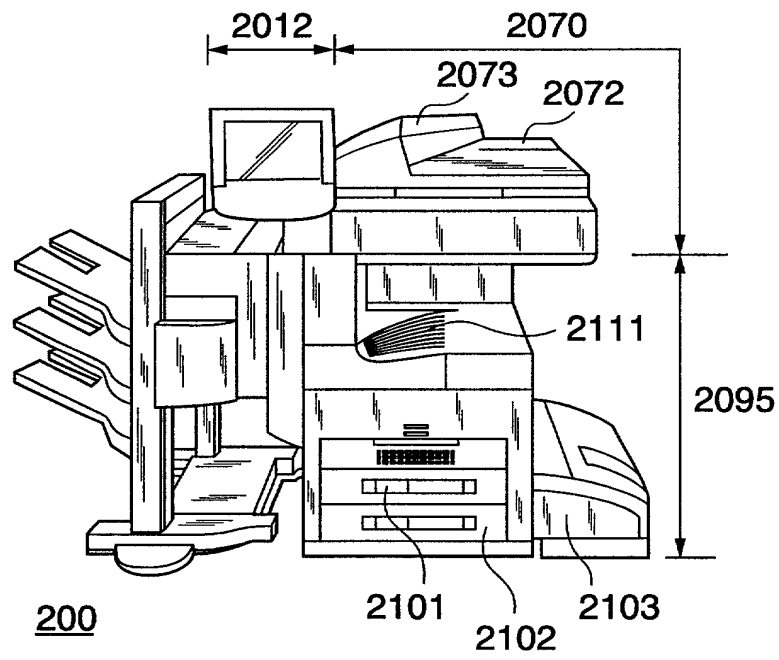


FIG. 4

2008

2080

SCANNER IMAGE PROCESSING

2081

IMAGE BUS I/F CONTROLLER

2082

FILTER

2083

EDITING

2084

VARIABLE
POWER

2085

TABLE

2086

BINARY
CONVERSION

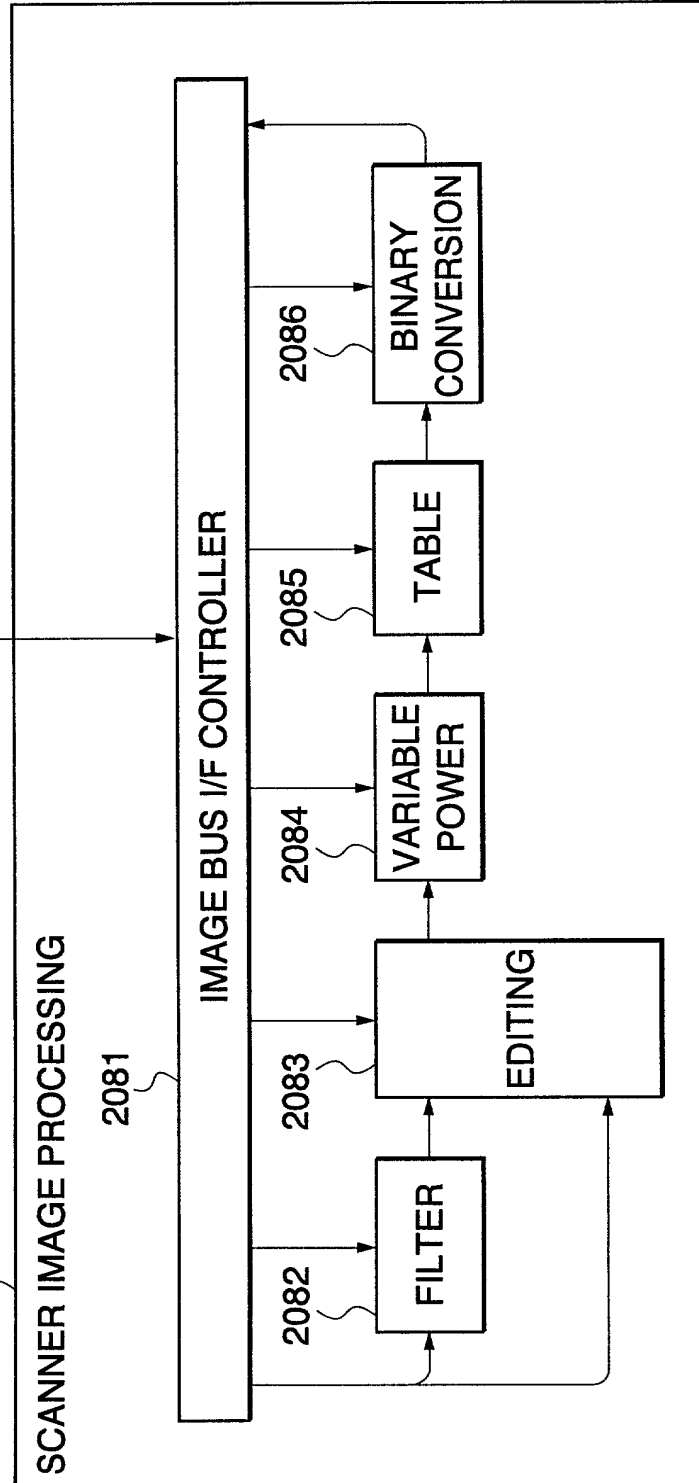


FIG. 5

2008

2090

PRINTER IMAGE PROCESSING

2091

IMAGE BUS I/F CONTROLLER

2092

RESOLUTION
CONVERSION

2093

SMOOTHING

FIG. 6

2008

2040

IMAGE COMPRESSION PROCESSING

2041

IMAGE BUS I/F CONTROLLER

2043

INPUT
BUFFER

2042

IMAGE
COMPRESSION

RAM

2044

OUTPUT
BUFFER

2045

FIG. 7

2008

2030

IMAGE ROTATION PROCESSING

2031

IMAGE BUS I/F CONTROLLER

2032

IMAGE
ROTATION

2033

RAM

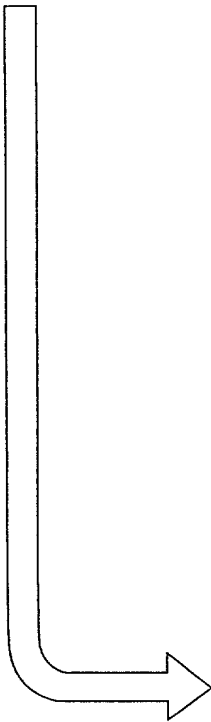


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FIG. 9

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32

⋮



1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32

.....

X-DIRECTION
Y-DIRECTION

FIG. 10

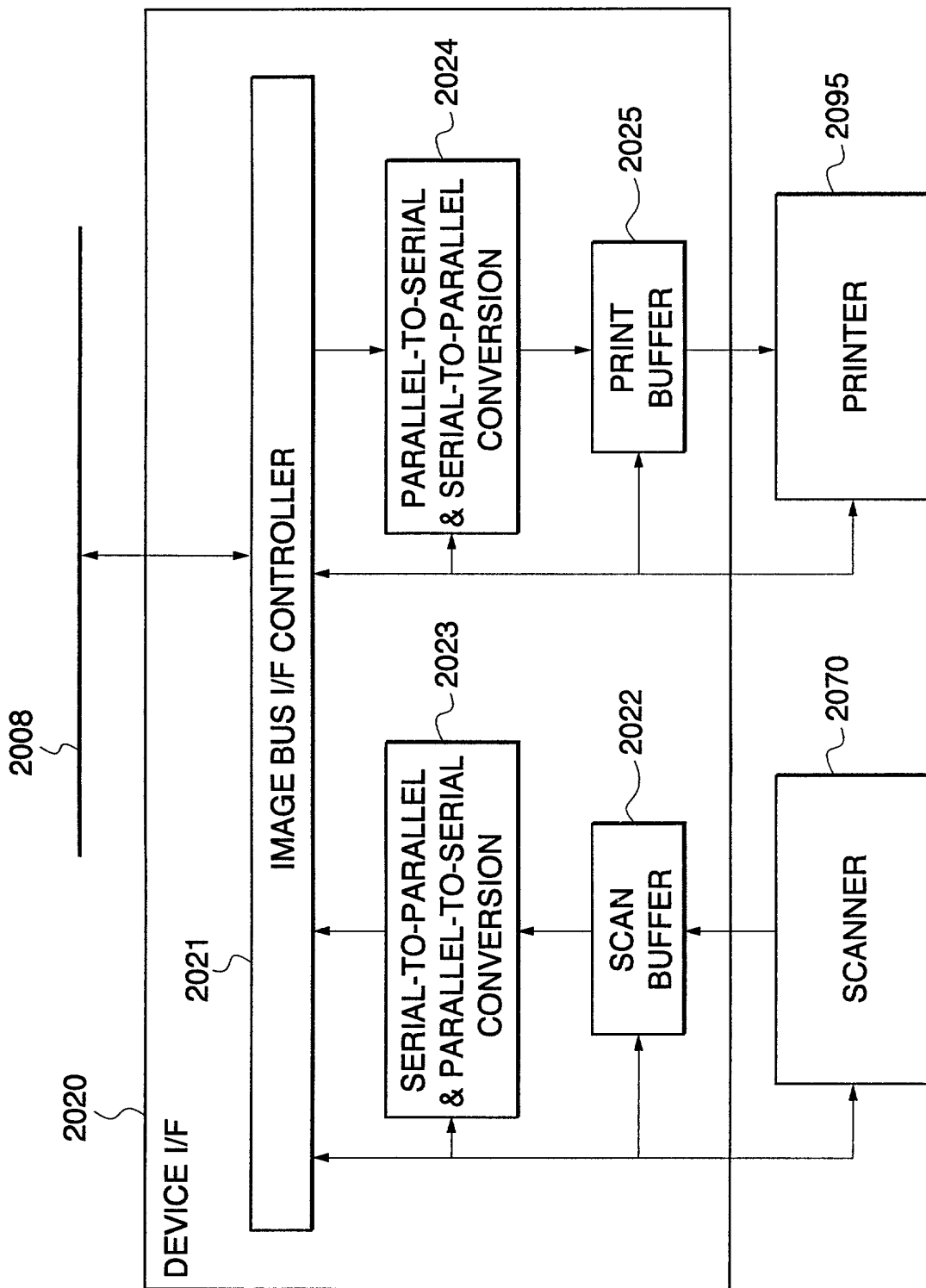
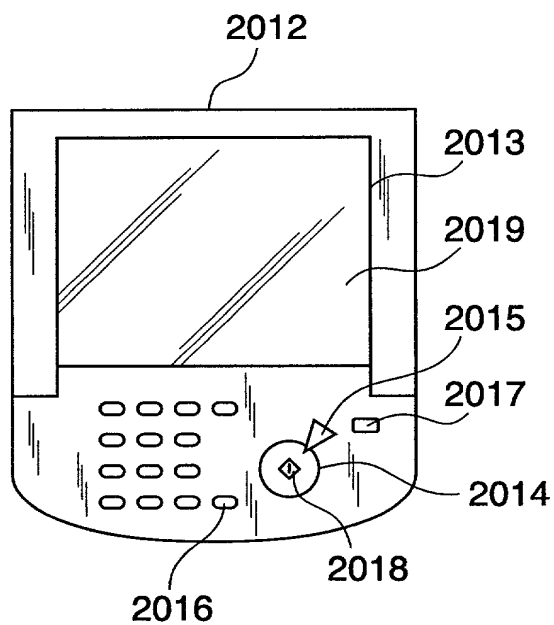


FIG. 11



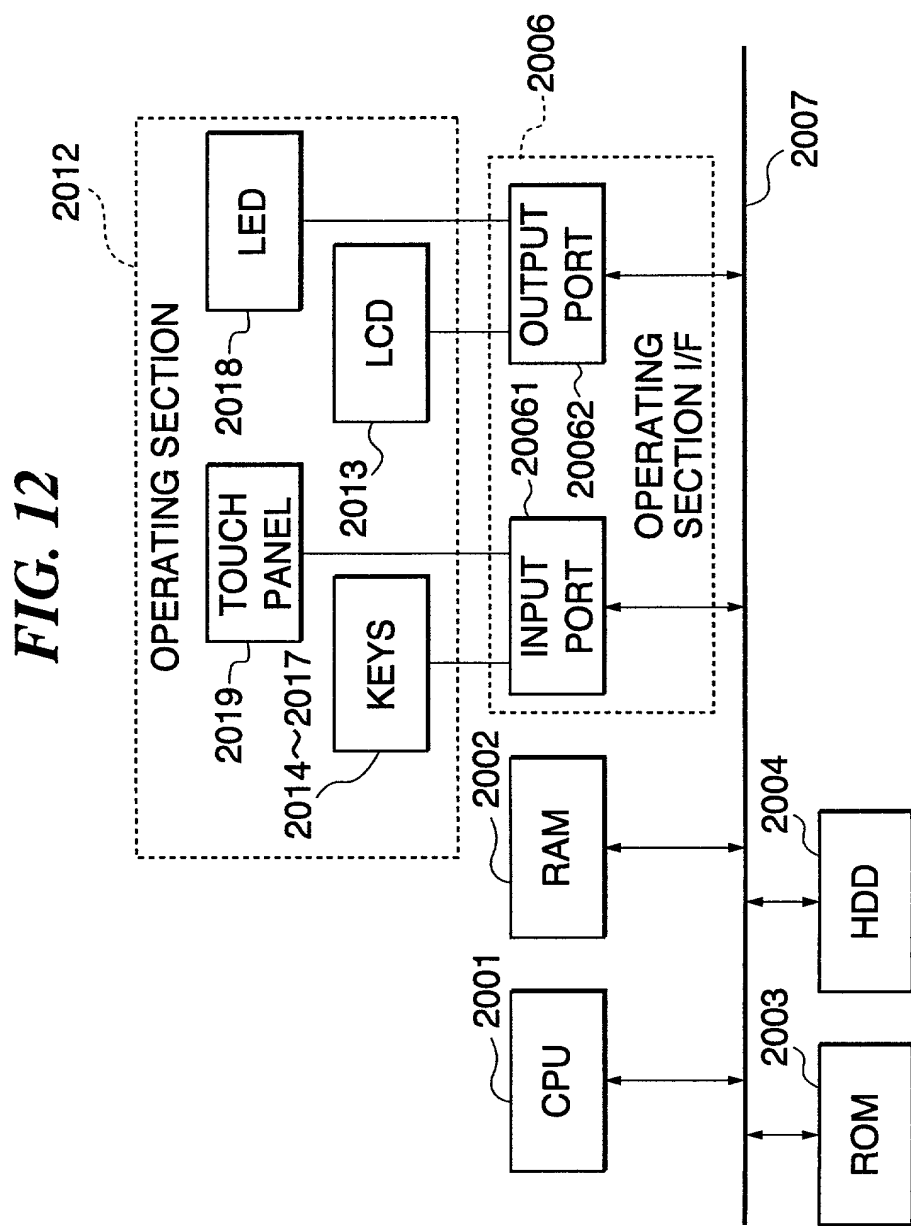


FIG. 13

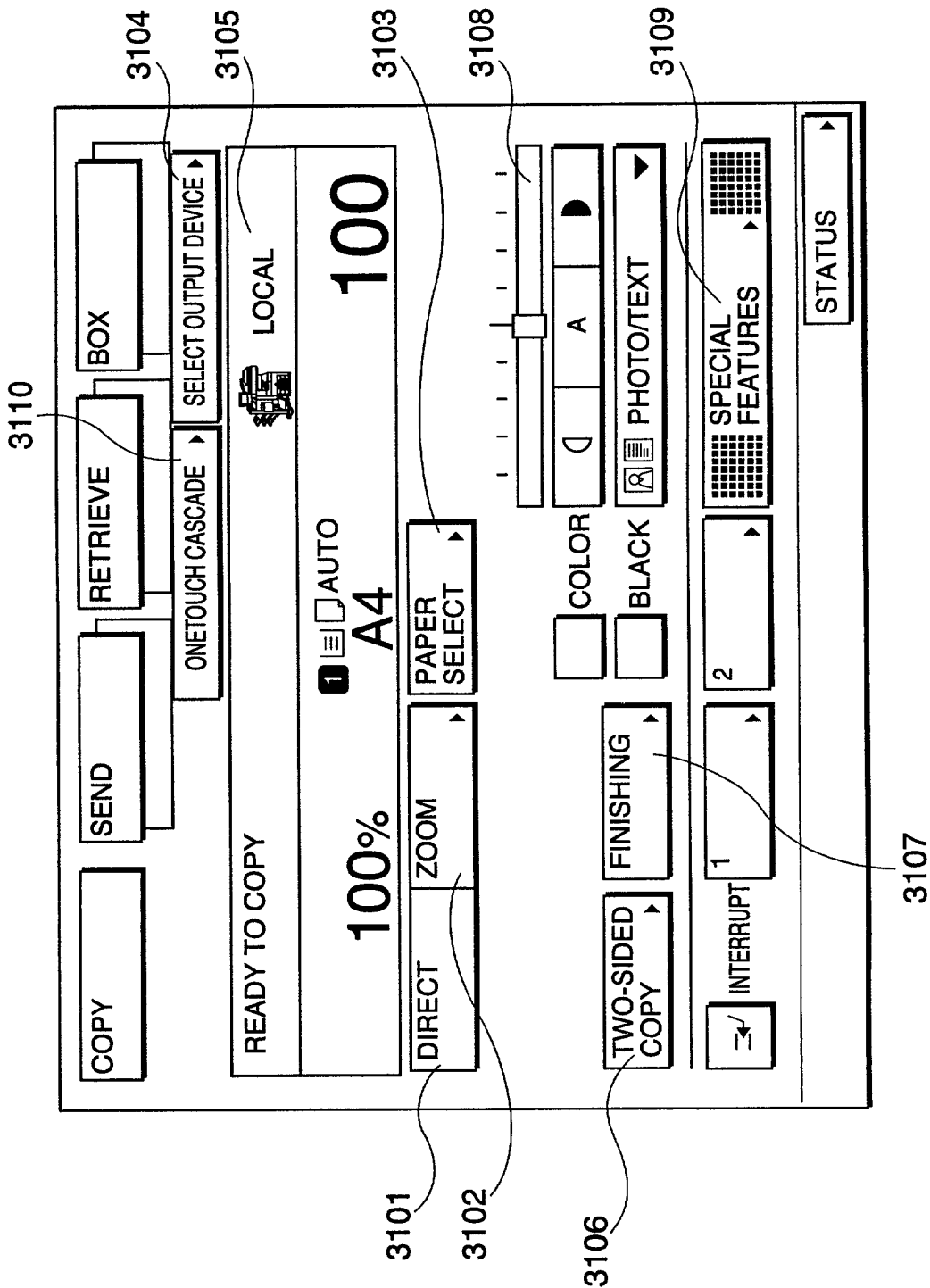


FIG. 14

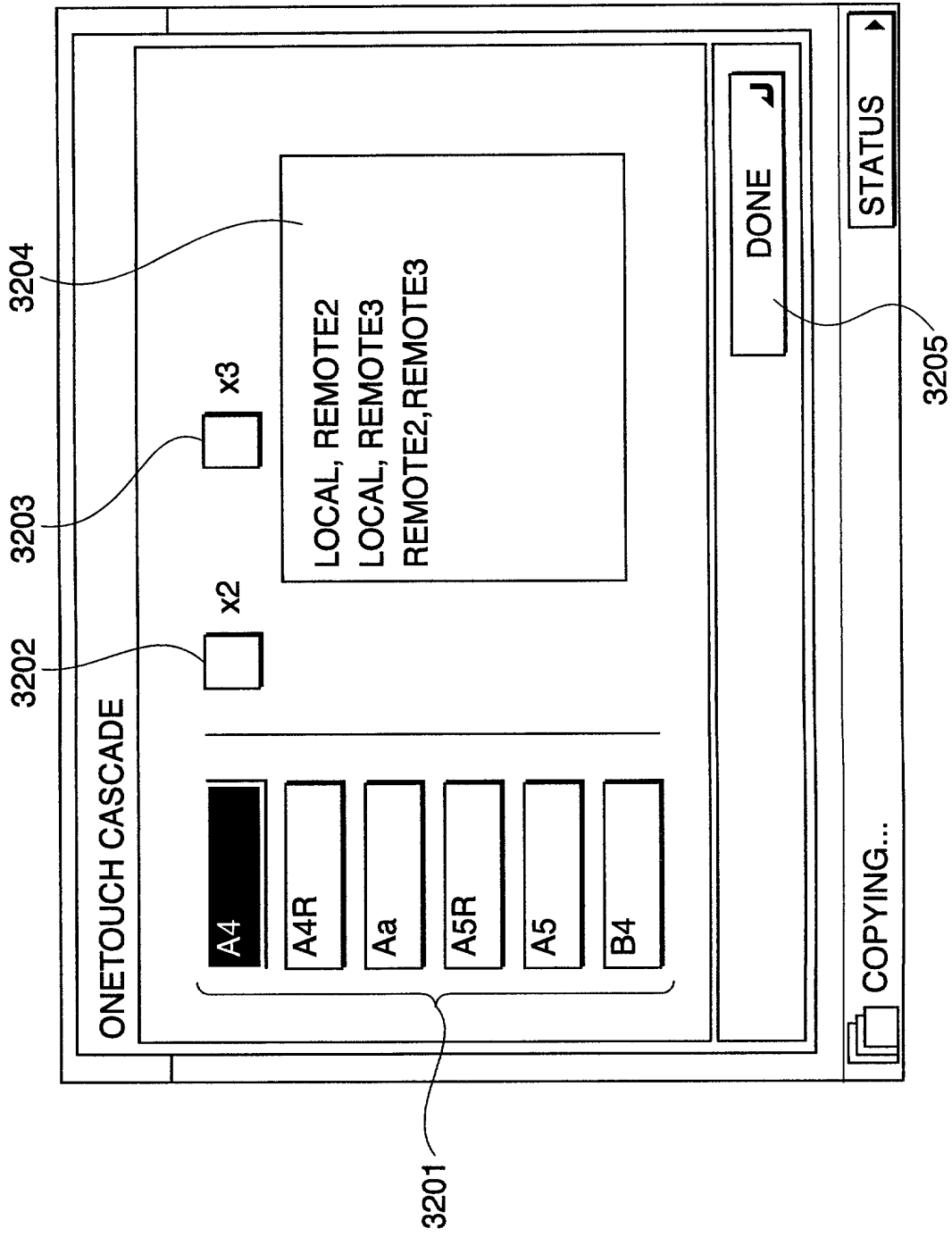


FIG. 15

3301

COPY

SEND

RETRIEVE

BOX

ONETOUCH CASCADE ▶

SELECT OUTPUT DEVICE ▶

3302

CASCADE

READY TO COPY

100% A4

100

DIRECT ZOOM ▶

PAPER SELECT ▶

TWO-SIDED COPY ▶

FINISHING ▶

COLOR

BLACK

PHOTO/TEXT ▶

1

2

SPECIAL FEATURES ▶

INTERRUPT

STATUS ▶

FIG. 16

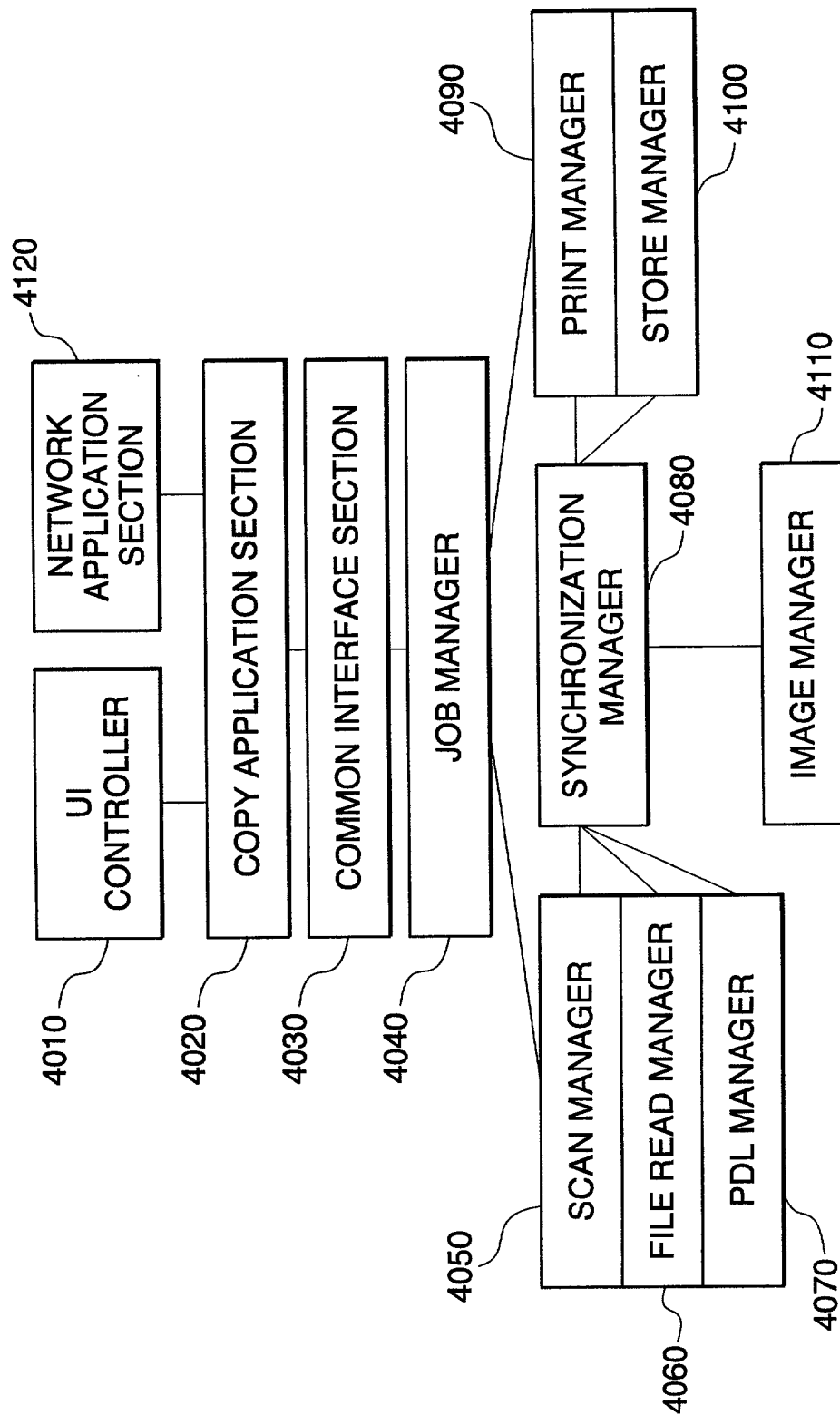


FIG. 17

TAG NAME	SIZE	VALUE
SubFile Type	LONG	1
ImageWidth	SHORT	7040
ImageLength	SHORT	4960
BitsPerSample	SHORT	1
Compression	SHORT	4
Photometric	SHORT	0
FillOrder	SHORT	1
StripOffsets	LONG	384
Orientation	SHORT	1
SamplesPerPixel	SHORT	1
RowsPerStrip	LONG	2338
StripByteCounts	LONG	25526
Xresolution	RATIONAL	600
Yresolution	RATIONAL	600
PlanarConfig	SHORT	1
Group3Options	LONG	0
ResolutionUnit	SHORT	2
MarginTop(*1)	BYTE	0
MarginBtm(*1)	BYTE	4
MarginLft(*1)	BYTE	0
MarginRit(*1)	BYTE	31
ImageKind(*2)	LONG	0
MediaCode(*3)	LONG	1
Side(*4)	BYTE	0
WithoutZoomW(*1)	SHORT	7015
WithoutZoomL(*1)	SHORT	4960

(*1) IN NUMBER OF PIXELS

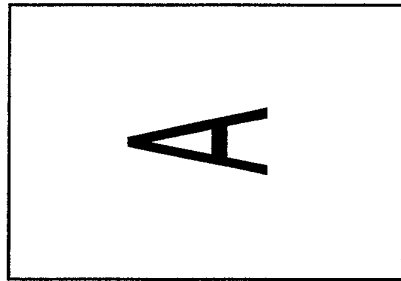
(*2) 0:TEXT, 1:TEXT/PHOTO, 2:PHOTO

(*3) CODE FOR ORIGINAL SIZE

(*4) 0: ORIGINAL FRONT, 1: ORIGINAL BACK

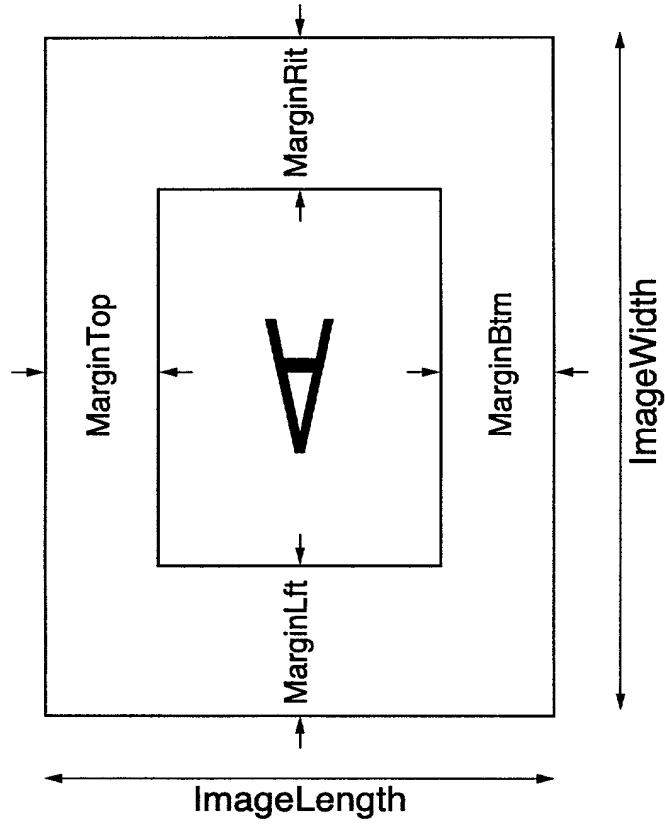


FIG. 18A



ORIGINAL IMAGE

FIG. 18B



app 1000 and app 1000 are not to be construed as limiting the scope of the invention.

FIG. 19A

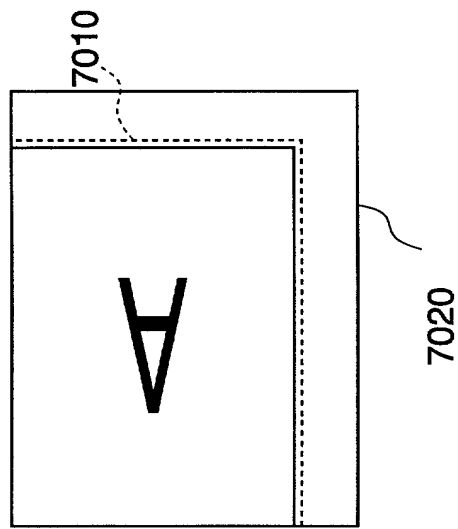


FIG. 19B

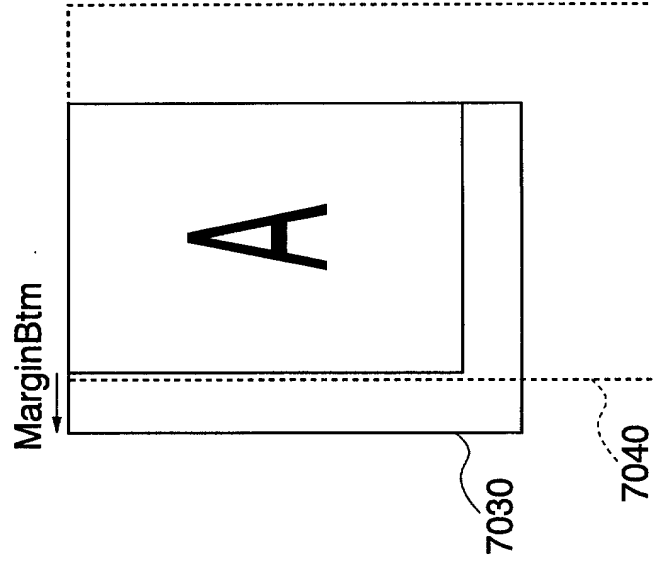


FIG. 20

COPY

SEND

BOX

SET ORIGINAL ON FEEDER

LOCAL

100% AUTO 1

DIRECT

ZOOM

PAPER SELECT

TWO-SIDED
→ ONE-SIDED

SORTER

TWO-SIDED
COPY

INTERRUPT

APPLIED MODE


SYSTEM STATUS/CANCEL




FIG. 21

BINDING MARGIN


LEFT SIDE
BINDING




RIGHT SIDE
BINDING



TOP SIDE
BINDING




BOTTOM SIDE
BINDING



FOR INPUT
IN INCHES


SET BINDING MARGIN



10 mm
(0~200)

-

+



12 mm
(0~200)

-

+

CANCEL SETTING

OK

SYSTEM STATUS/CANCEL

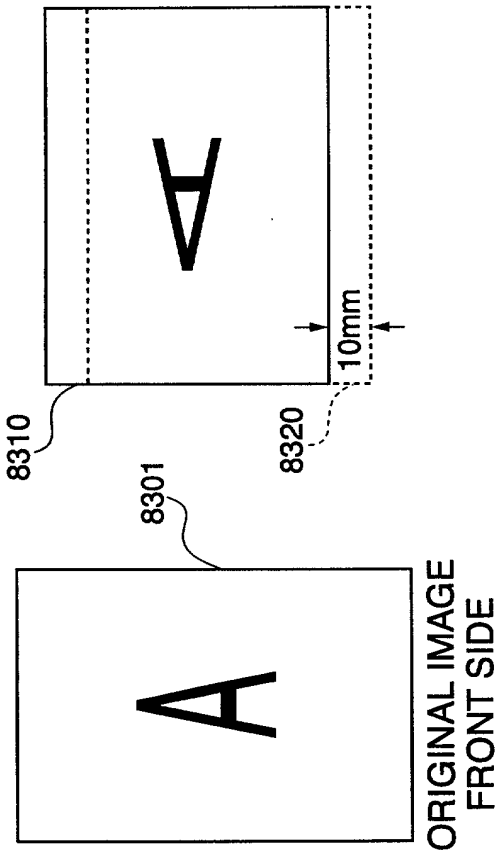


FIG. 22A

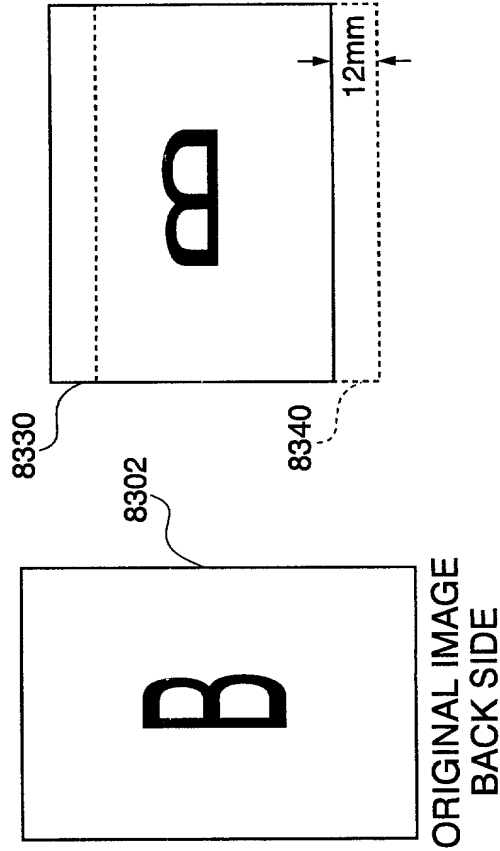


FIG. 22B

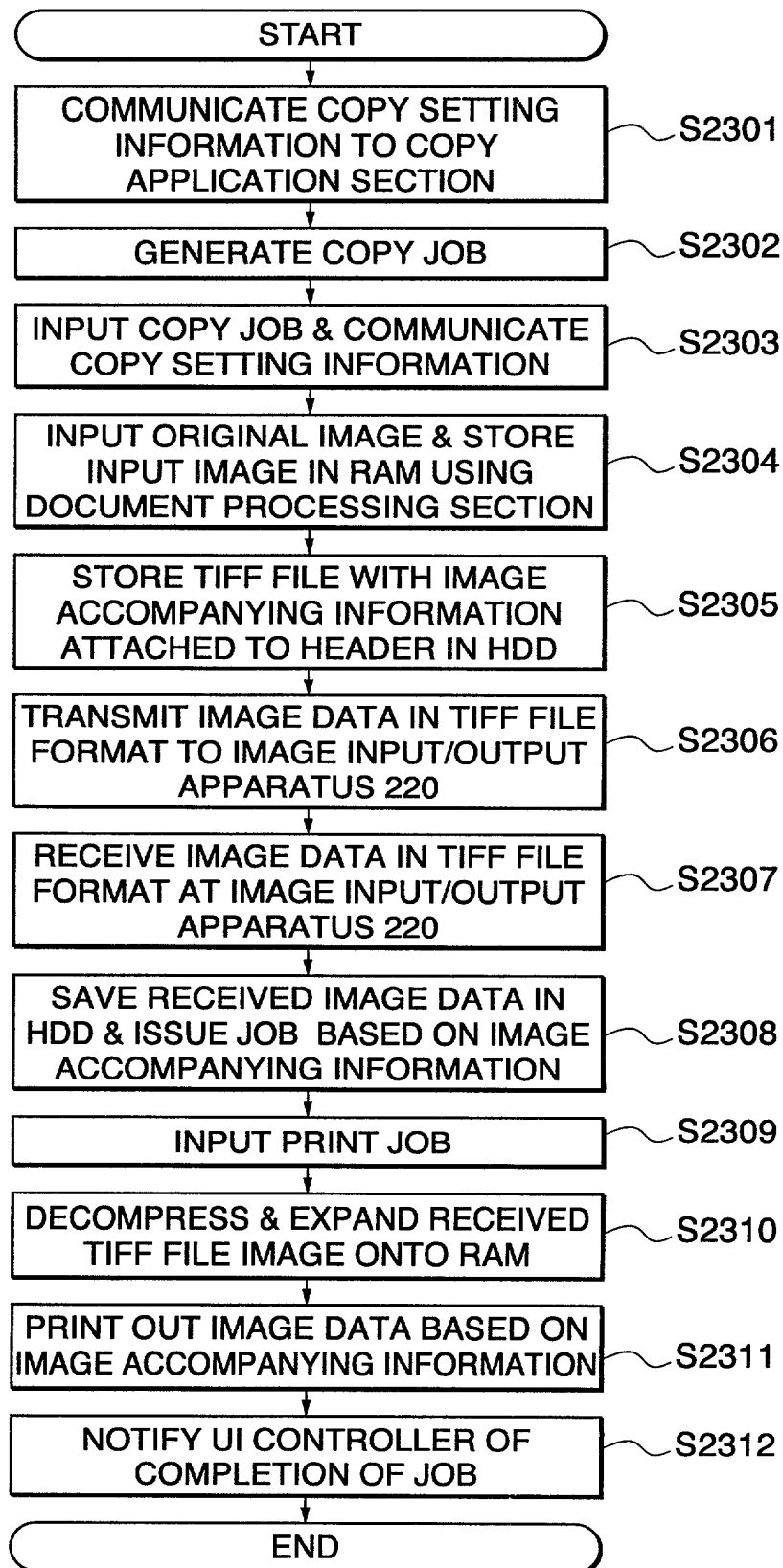
FIG. 23

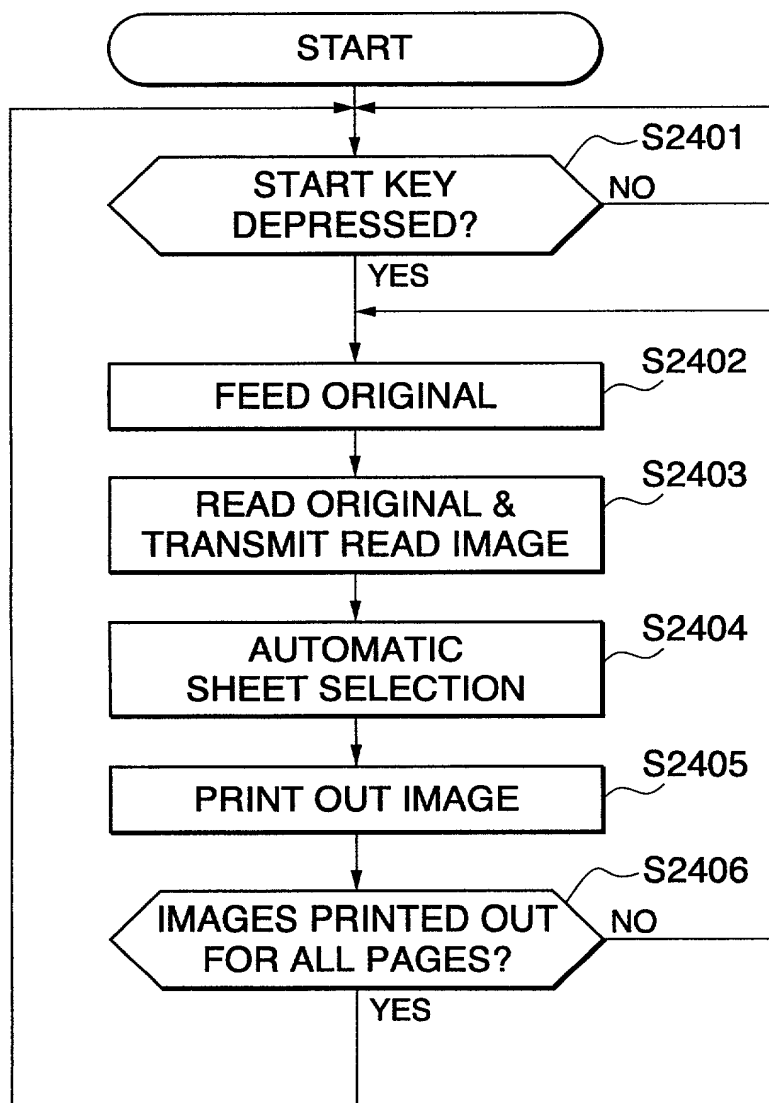
FIG. 24

FIG. 25

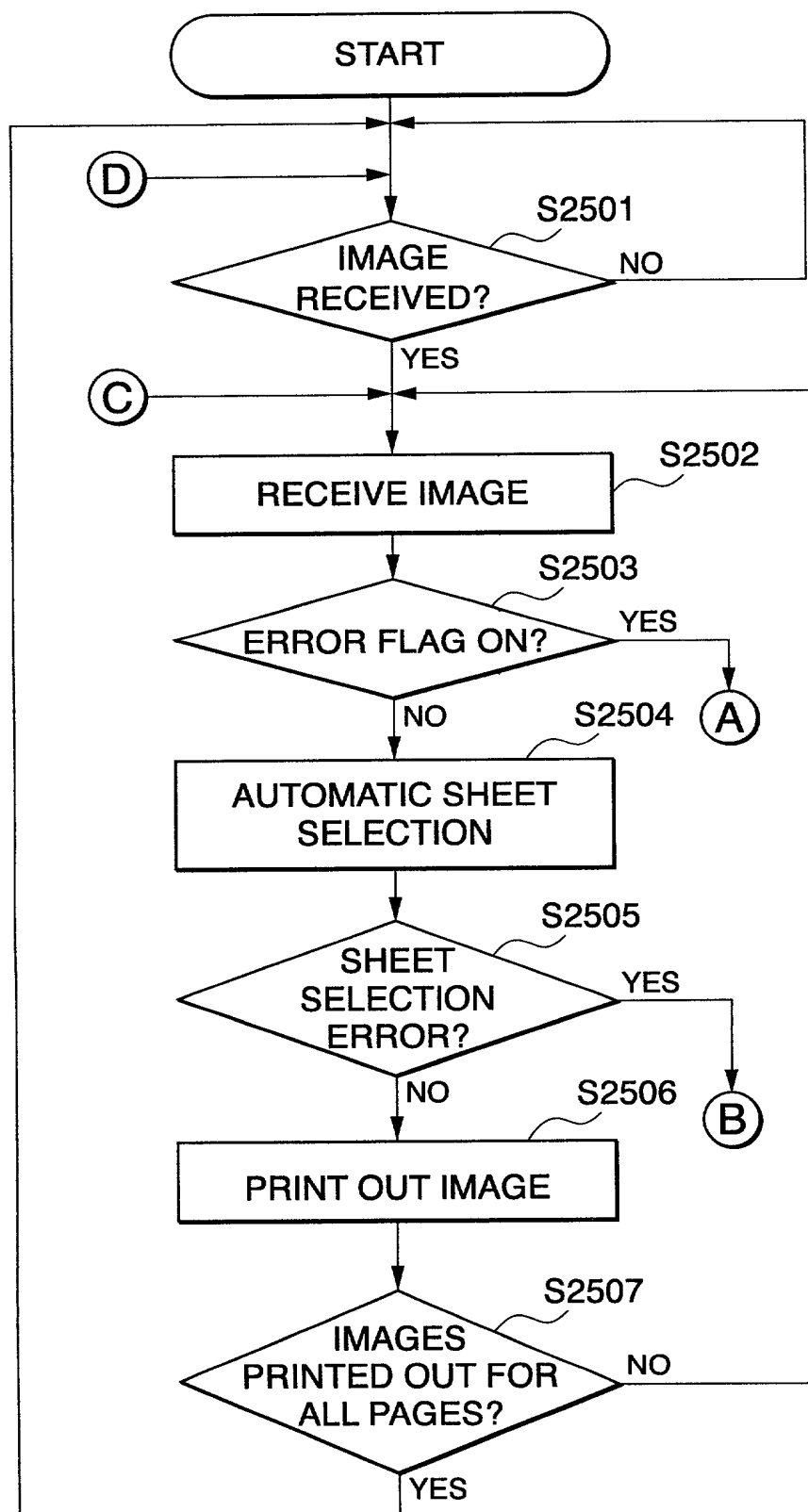


FIG. 26

